

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

19. (Currently Amended) A method for encoding digital data comprising:

accessing a plurality of frames, each frame of the plurality of frames including a digital video image;

dividing each frame of said digital video image plurality of frames into a plurality of regions, each region of the plurality of regions being assigned a unique consecutive number;

~~numbering said plurality of regions wherein each of said plurality of regions is assigned a unique consecutive number;~~

~~selecting a first region based on said unique consecutive number wherein each of said plurality of regions is selected in the order of said consecutive number;~~

encoding all except one region of said first region of said plurality of regions in each frame of the plurality of frames into encoded regions using interframe compression; and

compressing the one region of said plurality of regions in each frame of the plurality of frames without using interframe compression into a compressed region, the one region of the plurality of regions being selected in each frame based on an order of the unique consecutive number, the one region of said plurality of regions being a different region in each frame of the plurality of frames, each region of the plurality of regions being compressed once in the plurality of frames without using interframe compression; and

transmitting said encoded regions and said first compressed region ~~as a video frame for each frame of the plurality of frames.~~

20. (Previously presented) The method as recited in Claim 19 further comprising:

numbering said plurality of regions based on a compression sequence.

21. (Previously presented) The method as recited in Claim 19 further comprising:

dividing said digital video image into non-overlapping rectangular groups of pixels.

22. (Previously presented) The method as recited in Claim 19 further comprising:

dividing said digital video image into strips of pixels.

23. (Previously presented) The method as recited in Claim 19 further comprising:

dividing said digital video image into a plurality of non-contiguous pixel groups.

24. (Currently amended) The method as recited in Claim 19, wherein ~~further comprising: encoding~~ compressing the one region of each of said plurality of regions includes wherein one of said plurality of regions is encoded using interframe compressing the one region using intraframe compression ~~each time a frame of said digital video image is transmitted.~~

25 - 33 (Canceled)

34. (Currently Amended) A computer readable medium comprising instructions that when executed implement a method for compressing digital video comprising:

program instructions for accessing a plurality of frames, each frame of the plurality of frames including a digital video image;

program instructions for dividing each frame of said digital video image plurality of frames into a plurality of regions, each region of the plurality of regions being assigned a unique consecutive number;

numbering said plurality of regions wherein each of said plurality of regions is assigned a unique consecutive number;

selecting a first region based on said unique consecutive number wherein each of said plurality of regions is selected in the order of said consecutive number;

program instructions for encoding all except one region of said first region of said plurality of regions in each frame of the plurality of frames into encoded regions using interframe compression; and

program instructions for compressing the one region of said plurality of regions in each frame of the plurality of frames without using interframe compression, the one region of the plurality of regions being selected in each frame based on an order of the unique consecutive number, the one region of said plurality of regions being a different region in each frame of the plurality of frames; each region of the plurality of regions being compressed once in the plurality of frames without using interframe compression; and

program instructions for transmitting said encoded regions and said first compressed region as a video frame for each frame of the plurality of frames.

35. (Currently amended) The computer readable medium as recited in Claim 34 further comprising ~~instructions for~~:

program instructions for numbering said plurality of regions based on a compression sequence.

36. (Currently amended) The computer readable medium as recited in Claim 34 further comprising ~~instructions for~~:

program instructions for dividing said digital video image into non-overlapping rectangular groups of pixels.

37. (Currently amended) The computer readable medium as recited in Claim 34 further comprising ~~instructions for~~:

program instructions for dividing said digital video image into strips of pixels.

38. (Currently amended) The computer readable medium as recited in Claim 34 further comprising ~~instructions for~~:

program instructions for dividing said digital video image into a plurality of non-contiguous pixel groups.

39. (Currently amended) The computer readable medium as recited in Claim 34, ~~further comprising instructions for: wherein encoding compressing the one region of each of~~ said plurality of regions includes ~~wherein one of said plurality of regions is encoded using~~ interframe compressing the one region using intraframe compression ~~each time a frame of~~ said digital video image is transmitted.

40-41 (Canceled)

42. (New) A method for encoding digital data comprising:

accessing a plurality of frames, each frame of the plurality of frames including a digital video image;

dividing each frame of said plurality of frames into a plurality of regions, each one of the plurality of regions being assigned a unique consecutive number;

numbering the plurality of regions wherein each of the plurality of regions is assigned a unique consecutive number;

selecting one region of the plurality of regions based on the unique consecutive number wherein each of the plurality of regions is selected in the order of the consecutive number;

encoding the one region of the plurality of regions in each frame of the plurality of frames, the one region being encoded by intraframe compression and interframe compression when the one region has been encoded by intraframe compression within a set number of past frames, and the one region being encoded by intraframe compression when the one region has not been encoded by intraframe compression within the set number of past frames; and

transmitting the one region using a smaller one of the interframe compression and the intraframe compression when the one region has been encoded by intraframe compression within the set number of past frames and transmitting the one region using intraframe compression when the one region has not been encoded by intraframe compression within the set number of past frames.

43. (New) The method as recited in Claim 42 further comprising:

numbering said plurality of regions based on a compression sequence.

44. (New) The method as recited in Claim 42 further comprising:

dividing said digital video image into non-overlapping rectangular groups of pixels.

45. (New) The method as recited in Claim 42 further comprising:

dividing said digital video image into strips of pixels.

46. (New) The method as recited in Claim 42 further comprising:

dividing said digital video image into a plurality of non-contiguous pixel groups.